STENT DELIVERY SYSTEM WITH SPACER MEMBER

ABSTRACT OF THE DISCLOSURE

A stent delivery system includes outer and inner elongated, flexible tubular members each having a distal and proximal ends. The outer tubular member is sized to be passed through the body lumen with the distal end advanced to the deployment site and with the proximal end remaining external of the patient's body for manipulation by an operator. The inner tubular member is sized to be received within the outer tubular member. The outer tubular and inner tubular members are axially slideable relative to one another between a transport position and the deploy position. The inner tubular member has a stent attachment location at its distal end. The stent attachment location is covered by the outer tubular member when the inner and outer tubular members are in the transport position. The stent attachment location is exposed when the inner and outer tubular members are in the deploy position. A spacer member is disposed between the inner and outer tubular members. The spacer member maintains spacing between the inner and outer tubular members. Opposing surfaces of the inner and outer tubular members define a first lumen extending from the proximal end towards the distal end of the outer tubular member. An admission port is provided in communication with the first lumen at the proximal end of the outer tubular member. A discharge port is formed through the outer tubular member in communication with the first lumen at the distal end of the outer tubular member.